

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re: Attorney Docket No. 1053.001BIn re application of: Gary W. Elko, Robert A. Kubli, and Jens M. MeyerPatent No.: US 7,587,054B2Issued: Sep. 8, 2009For: Audio System Based on At Least Second-Order Eigenbeams**PETITION FOR  
CERTIFICATE OF CORRECTION**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is a Certificate of Correction listing errors that appear in the claims section of above-referenced patent.

In column 35, lines 25-28, please replace " $(\nu_s, \phi_s)$  are spherical coordinate angles of sensor  $s$  in the microphone array; coordinate angles  $(\nu_s, \phi_s)$ ;" and

$Y_n^{m'}(\nu_s, \phi_s)$  is a spherical harmonic function of order  $n'$  and degree  $m'$  at the spherical" with " $(\vartheta_s, \varphi_s)$  are spherical coordinate angles of sensor  $s$  in the microphone array;

$Y_n^m(\vartheta_s, \varphi_s)$  is a spherical harmonic function of order  $n'$  and degree  $m'$  at the spherical coordinate angles  $(\vartheta_s, \varphi_s)$ ;" and--. Support for this correction is found on page 12, lines 5-7, the amendment filed on 05/05/2008.

In column 35, line 29, please replace " $(\nu_s, \phi_s)$ " with " $(\vartheta_s, \varphi_s)$  --. Support for this correction is found on page 12, line 8, the amendment filed on 05/05/2008.

In column 35, line 31, please replace " $(\mathcal{V}_s, \phi_s)$ " with  $--(\mathcal{V}_s, \varphi_s)--$ . Support for this correction is found on page 12, line 9, the amendment filed on 05/05/2008.

In column 37, line 37, please replace " $(\mathcal{V}_s, \phi_s)$ " with  $--(\mathcal{V}_s, \varphi_s)--$ . Support for this correction is found on page 11, line 5, the amendment filed on 05/05/2008.

In column 37, line 39, please replace " $(\mathcal{V}_s, \phi_s)$ " with  $--(\mathcal{V}_s, \varphi_s)--$ . Support for this correction is found on page 11, line 6, the amendment filed on 05/05/2008.

In column 37, lines 40 and 41, please replace " $(\mathcal{V}_s, \phi_s)$ " with  $--(\mathcal{V}_s, \varphi_s)--$ . Support for this correction is found on page 11, line 7, the amendment filed on 05/05/2008.

In column 37, line 42, please replace " $(\mathcal{V}_s, \phi_s)$ " with  $--(\mathcal{V}_s, \varphi_s)--$ . Support for this correction is found on page 11, line 8, the amendment filed on 05/05/2008.

In column 37, line 44, please replace " $(\mathcal{V}_s, \phi_s)$ " with  $--(\mathcal{V}_s, \varphi_s)--$ . Support for this correction is found on page 11, line 9, the amendment filed on 05/05/2008.

In column 39, line 26, please replace " $(\mathcal{V}_s, \phi_s)$ " with  $--(\mathcal{V}_s, \varphi_s)--$ . Support for this correction is found on page 13, line 5, the amendment filed on 05/05/2008.

In column 39, line 28, please replace " $(\mathcal{V}_s, \phi_s)$ " with  $--(\mathcal{V}_s, \varphi_s)--$ . Support for this correction is found on page 13, line 6, the amendment filed on 05/05/2008.

In column 39, lines 29 and 30, please replace " $(\mathcal{V}_s, \phi_s)$ " with  $--(\mathcal{V}_s, \varphi_s)--$ . Support for this correction is found on page 13, line 7, the amendment filed on 05/05/2008.

In column 39, line 31, please replace " $(\nu_s, \phi_s)$ " with " $(\vartheta_s, \varphi_s)$ ". Support for this correction is found on page 13, line 8, the amendment filed on 05/05/2008.

In column 39, line 33, please replace " $(\nu_s, \phi_s)$ " with " $(\vartheta_s, \varphi_s)$ ". Support for this correction is found on page 13, line 9, the amendment filed on 05/05/2008.

[X] The Commissioner is hereby authorized to charge payment of any fees required under 37 CFR §§ 1.20(a) associated with this communication or credit any overpayment to **Mendelsohn, Drucker, & Associates, P.C. Deposit Account No. 50-0782.**

Respectfully submitted,

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Enclosures

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO. : US 7,587,054 B2  
DATED : Sep. 8, 2009  
INVENTOR(S) : Gary W. Elko, Robert A. Kubij, and Jens M. Meyer

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

In column 35, lines 25-28, please replace " $(V_s, \phi_s)$  are spherical coordinate angles of sensor  $s$  in the microphone array; coordinate angles  $(V_s, \phi_s)$ ; and

$Y_n^{m'}(V_s, \phi_s)$  is a spherical harmonic function of order  $n'$  and degree  $m'$  at the spherical" with --  
 $(\vartheta_s, \varphi_s)$  are spherical coordinate angles of sensor  $s$  in the microphone array;

$Y_n^{m'}(\vartheta_s, \varphi_s)$  is a spherical harmonic function of order  $n'$  and degree  $m'$  at the spherical coordinate angles  
 $(\vartheta_s, \varphi_s)$ ; and--;

In column 35, line 29, please replace " $(V_s, \phi_s)$ " with -- $(\vartheta_s, \varphi_s)$ --;

In column 35, line 31, please replace " $(V_s, \phi_s)$ " with -- $(\vartheta_s, \varphi_s)$ --;

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In column 37, line 39, please replace " $(V_s, \phi_s)$ " with -- $(\vartheta_s, \varphi_s)$ --;

In column 37, lines 40 and 41, please replace " $(V_s, \phi_s)$ " with -- $(\vartheta_s, \varphi_s)$ --;

In column 37, line 42, please replace " $(V_s, \phi_s)$ " with -- $(\vartheta_s, \varphi_s)$ --;

In column 37, line 44, please replace " $(V_s, \phi_s)$ " with -- $(\vartheta_s, \varphi_s)$ --;

In column 39, line 26, please replace " $(V_s, \phi_s)$ " with -- $(\vartheta_s, \varphi_s)$ --;

In column 39, line 28, please replace " $(V_s, \phi_s)$ " with -- $(\vartheta_s, \varphi_s)$ --;

In column 39, lines 29 and 30, please replace " $(V_s, \phi_s)$ " with -- $(\vartheta_s, \varphi_s)$ --;

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PATENT NO. 7,587,054

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In column 39, line 33, please replace " $(V_{s, \phi_s})$ " with -- " $(\vartheta_s, \varphi_s)$ " --.

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